

We claim:

1. In a dishwasher having a dishwashing compartment and a pump fluidically connected to the dishwashing compartment for channeling liquid to the dishwashing compartment, the pump disposed outside the dishwashing compartment and including a pump housing defining an interior and housing a motor and an impeller, a heater for heating dishwashing liquid, the heater comprising:

a heating device disposed on the pump housing in heat-conducting contact with the interior of the pump housing.

2. The heater according to claim 1, wherein:

the pump housing has an outside; and

said heating device is disposed on the outside of the pump housing.

3. The heater according to claim 1, wherein

the pump housing has an outside with a side facing the motor; and

said heating device is disposed on the outside of the pump housing on the side facing the motor.

4. The heater according to claim 1, wherein:

the pump housing has an outside with a side facing away from the motor; and

said heating device is disposed on the outside of the pump housing on the side facing away from the motor.

5. The heater according to claim 1, wherein said heating device is an electrical resistance heater.

6. The heater according to claim 5, wherein said heating device is a tubular heater.

7. The heater according to claim 5, wherein said heating device is a thick-film heater.

8. The heater according to claim 1, wherein:

the pump housing has a part bearing said heating device; and

the part of the pump housing bearing said heating device is made of stainless high-grade steel.

9. The heater according to claim 1, wherein:

the pump housing has a part bearing said heating device; and

the part of the pump housing bearing said heating device has an enameled surface.

10. The heater according to claim 1, wherein said heating device has a temperature switch disposed at the pump housing.

11. The heater according to claim 10, wherein said temperature switch is a pressure switch.

12. The heater according to claim 10, wherein said temperature switch is a thermostatic switch.

13. The heater according to claim 12, wherein said thermostatic switch is disposed on the pump housing.

14. The heater according to claim 1, including an insulating layer covering said heating device.

15. The heater according to claim 14, including a protective plate covering said insulating layer.

16. A dishwasher, comprising:

a housing defining a dishwashing compartment;

a pump for channeling liquid to said dishwashing compartment,
said pump:

fluidically connected to said dishwashing compartment;

disposed outside said dishwashing compartment and inside
said housing; and

having a motor, an impeller, and a pump housing defining
an interior and housing said motor and said impeller; and

a heating device for heating dishwashing liquid, said heating
device disposed on said pump housing in heat-conducting
contact with said interior of said pump housing.

17. A dishwasher, comprising:

a housing defining a dishwashing compartment;

a pump for channeling liquid to said dishwashing compartment,
said pump:

fluidically connected to said dishwashing compartment;

disposed outside said dishwashing compartment and inside said housing; and

having a motor, an impeller, and a pump housing defining an interior and housing said motor and said impeller; and

a means for heating dishwashing liquid, said heating means disposed on said pump housing in heat-conducting contact with said interior of said pump housing.